PASTERNACK®
THE ENGINEER'S RF SOURCE

75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG6-CATV

RF Connectors Technical Data Sheet PE44320

Configuration

- F Male Connector
- 75 Ohms
- Right Angle Body Geometry
- RG6-CATV Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.23:1
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44320 75 ohm type F male right angle connector crimp/solder attachment for RG6-CATV is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.23:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm type F male right angle connector PE44320 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable connector assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		2	GHz
VSWR			1.23:1	

Mechanical Specifications

Size

Length	0.87 in [22.1 mm]
Width/Dia.	0.438 in [11.13 mm]
Height	1 in [25.4 mm]
Weight	0.046 lbs [20.87 g]
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV PE44320

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
Phone: (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
Sales@Pasternack.com • Techsupport@Pasternack.com

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75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG6-CATV

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	Brass	Nickel

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV PE44320

URL: https://www.pasternack.com/f-male-standard-rg6-catv-connector-pe44320-p.aspx

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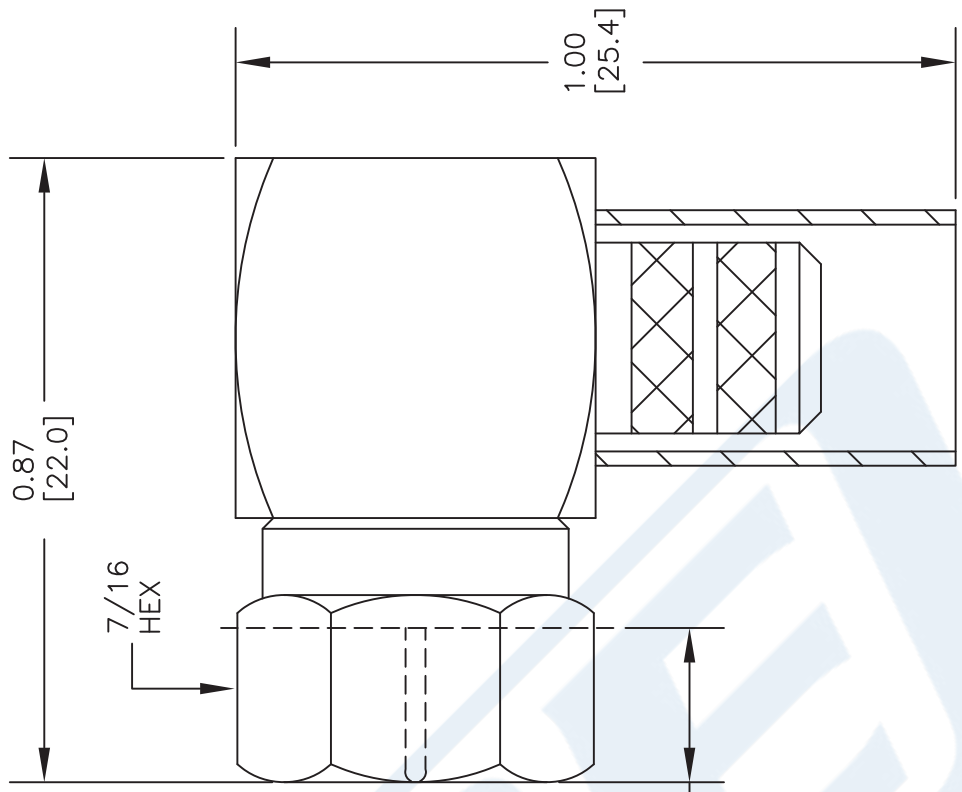
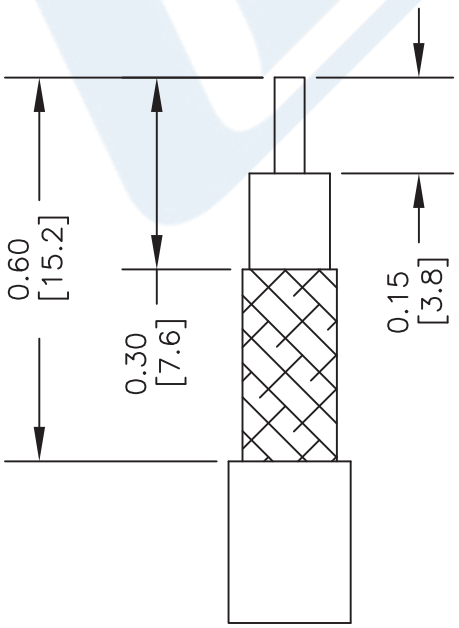
PE44320 CAD Drawing

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV





STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & PRESS CAP DOWN.

CRIMP SIZE REQUIRED

FERRULE: .314" HEX CRIMP TOOL

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

CAD FILE	040811	SCALE N/A	SIZE A	2233

DWG TITLE **PE44320**

FSCM NO. 53919

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URL: https://www.pasternack.com/f-male-standard-rg6-catv-connector-pe44320-p.aspx

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PE44320 CAD Drawing

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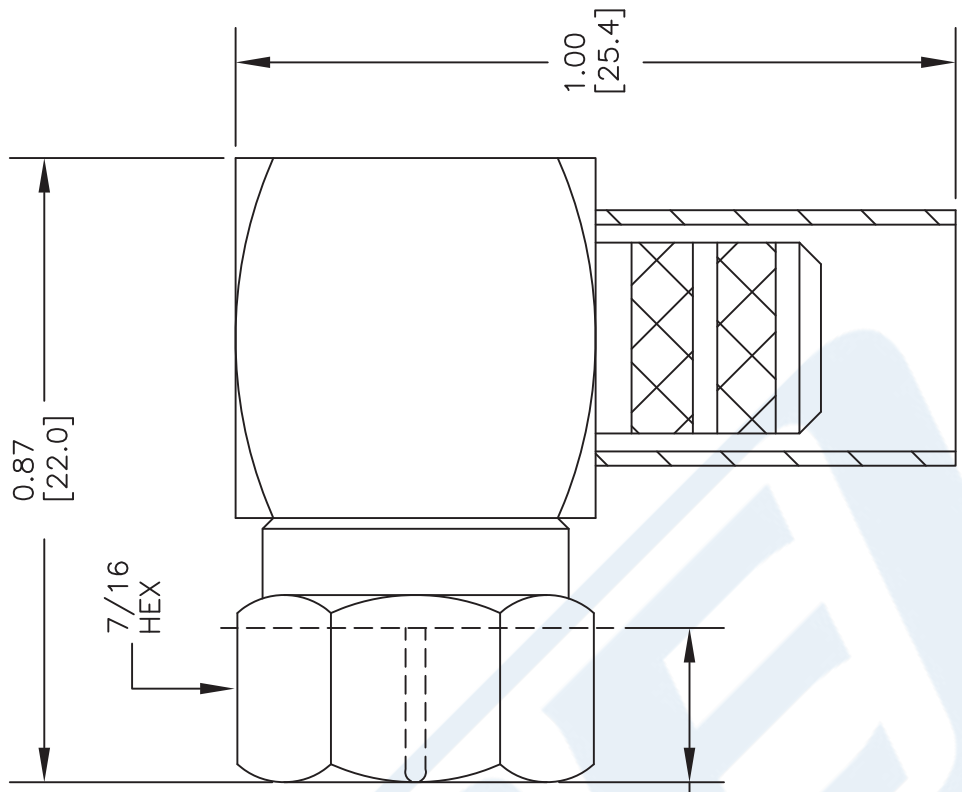

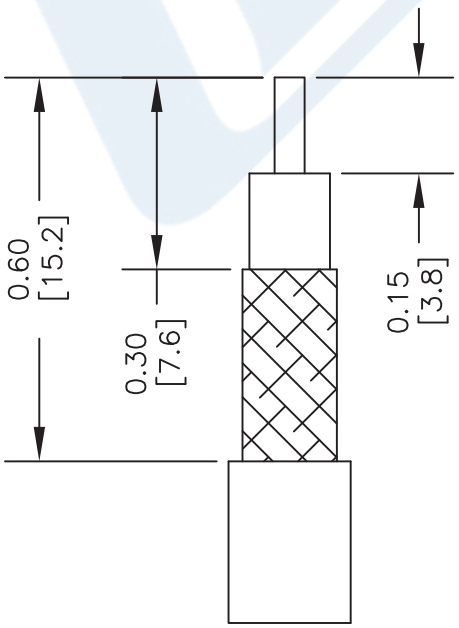

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CAD FILE	040811	SCALE N/A	SIZE A	2233

DWG TITLE **PE44320**

FSCM NO. 53919

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75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET RG6-CATV

75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

Configuration

Inner Conductor Material and Plating	Copper
Dielectric Type	PE (F)
Shield Materials	Aluminum Foil, Aluminum Braid
Jacket Material and Color	PVC (NC), Black

Electrical Specifications

Impedance, Ohms	75
Velocity of Propagation, %	85
Maximum Operating Frequency, GHz	3
RF Shielding, dB	70
Capacitance, pF/ft [pF/m]	16.2 [53.15]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	5
Attenuation, dB/100ft [dB/100m]	0.58 [1.9]

Frequency 2

Frequency, MHz	250
Attenuation, dB/100ft [dB/100m]	3.3 [10.83]

Frequency 3

Frequency, MHz	550
Attenuation, dB/100ft [dB/100m]	4.9 [16.08]

Frequency 4

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	6.55 [21.49]

Frequency 5

Frequency, GHz	1.45
Attenuation, dB/100ft [dB/100m]	7.9 [25.92]

Frequency 6

Frequency, GHz	1.75
Attenuation, dB/100ft [dB/100m]	8.75 [28.71]

Frequency 7

Frequency, GHz	2.15

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket RG6-CATV

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75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

TECHNICAL DATA SHEET RG6-CATV

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +80

Inner Conductor

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.04 [1.02]

Dielectric:

Type	PE (F)
Diameter, in [mm]	0.18 [4.57]

Shield:

Number of	3
Material 1	Aluminum Foil
Material 2	Aluminum Braid
Material 3	Aluminum Foil
Diameter, in [mm]	0.22 [5.59]

Jacket:

Material	PVC (NC)
Diameter, in [mm]	0.275 [6.99]
Color	Black
One Time Minimum Bend Radius, in [mm]	1.37 [34.8]
Weight, lbs/ft [Kg/m]	0.033 [0.05]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	Yes

Plotted and Other Data

Notes:	Values at 25 °C, sea level

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URL: http://www.pasternack.com/flexible-0.275-rg6-catv-75-ohm-coax-cable-pvc-jacket-rg6-catv-p.aspx

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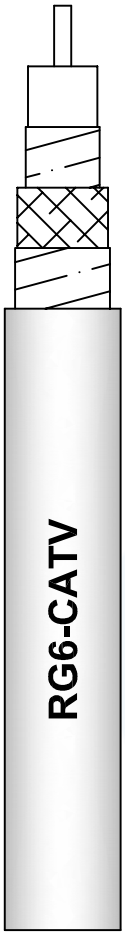
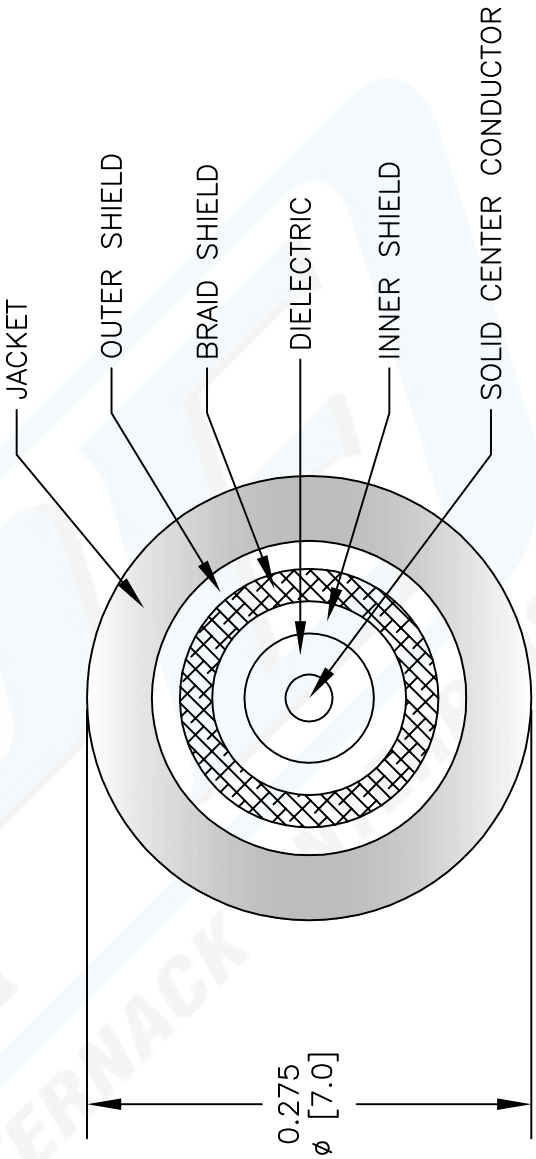
RG6-CATV CAD Drawing

75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket





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DWG TITLE: RG6-CATV

REV. B	FSCM NO. 53919	CAD FILE 021411-B	SCALE N/A	SIZE A	147

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